HD Classic

Altitude CF-3100 HD Fixed Camera

High Definition/Megapixel Network Fixed Cameras

- **H.264/MPEG-4 Video**
- **Up to 30 FPS**
- **1.3 Megapixel/HD720p**
- **Bi-directional Audio**
- **1 Alarm Inputs / 1 Relay Output**
- **SD Slot Available**
- **Unicast or Multicast**
- **12VDC/24VAC and PoE Power Options**
- **Web Interface for Viewing, Configuration and Control**

1/3 Inch CCD High Definition H.264 / MPEG4 Day/Night Camera with Wide Dynamic Range

The Altitude CF-3100 is part of the HD-Classic family line of professional IP security cameras. These cameras are high definition, fixed networked-based cameras which incorporate fully digital CCD imaging systems with automatic Day/Night IR cut filters for infrared sensitivity and will accept any C or CS standard mount lens. All of the CF series cameras can be mounted using conventional box style mounts and housings.

The Altitude CF-3100 cameras are ideal in both indoor and outdoor installations and all types of environments. This camera is the preferred choice for use in campus installations, logistics, municipal, transportation, petrochemical and more.

The camera provides video streams in both H.264 and MPEG-4 (ISO) for up to 30 Frames Per Second (FPS). This affords excellent image response and efficient bandwidth utilization.

In addition, DVTel's Scene Adaptive Algorithms provide the highest image quality at the lowest bandwidth and storage requirements.

Bi-directional audio is available for users to remotely listen in to the area surrounding the camera and communicate with visitors or intruders.

IEEE compliant, the entire Altitude Series of network cameras utilize the latest in multicast networking technology which enables a single stream to be transmitted to multiple viewers on the network simultaneously, further reducing bandwidth and providing more flexibility options for installation.

Power over Ethernet supplies power to the camera via the network, eliminating the need for additional cabling and reducing installation costs.

DVTel offers a full line of IP cameras and encoders to meet your every need. Please see our IP Camera and Encoder Family Guide at www.dvtel.com/products/edge-devices to explore your options.

Altitude CF-3100 Series

Network High Definition Fixed Cameras

Altitude CF-3100 Series

General Specifications

Camera	Day/Night Color and WDR
Image Sensor	⅓" Sony WDR 1.3MP CCD
Sensor Resolution	1.3 MP-1280 x 960
Scanning Mode	Progressive
Sensitivity	Color: 0.2 Lux @ F1.4 / Night Mode: 0.03 Lux @ F1.4
Digital Slow Shutter Speed (DSS)	1.5 to 1/10,000 with up to 32x Sensivity Boost in Color or Night Mode
White Balance	Auto (On/Off)
Automatic Gain Control (AGC)	On/Off
Backlight Compensation (BLC)	On/Off
Automatic Electronic Shutter (AES)	1.5 to 1/10,000 (Auto)
Digital 3D Noise Reduction	On/Off
Iris Control	DC Auto
Day/Night Mode	Auto / On/Off
WDR	Yes / On/Off - 4 Levels
Mechanical IR Cut Filter	Yes
IR Sensitivity	Yes: 680 to 1100nm
Signal to Noise Ratio (SNR)	≥50dB
Video	
Compression	H.264 (MPEG4-Part 10), MPEG4 (ISO)
Frame Rate	30 FPS @ 1280 x 960
Resolution Range	Scalable from CIF to 1280 x 720 (HD720P)
Bandwidth	Configurable between 64 Kbps and 6 Mbps
Audio	
Bi-directional Audio	Line In/Mic In/Line Out - G.711 and G.726
Audio Connections	3.5mm Audio Jacks
Communication	
Network Protocols	Transport: RTP (Unicast/multicast), UDP (Unicast/multicast), TCP Others: DNS, HTTP server, IGMP V1/V2, Telnet client and DHCP client
Ethernet	10/100 Base-T Auto sensing, Half/Full Duplex (RJ45)
Management	
Configuration	Remote: Via Web Access, or Supported Video Management Software
Firmware Upgrade	Flash memory for upgrade of camera firmware over the network
Regulatory	
USA	FCC part 15 (subpart B, class A) UL C/UL
Europe	CE marked, EN55022-1998 Class A, EN55024
Warranty	
	2-year limited warranty, covering parts

Other Specifications

Alarm	
Input	Input 1 dry contacts
Output	1 Relay Contact, 300V AC/DC at 1000mA max.
Physical	
Dimensions (L x W x H)	155 x 82 x 52 mm (without lens)
Unit Weight	14 oz. (398g)
Unit Shipping Weight	22 oz. (625g)
Mechanical	
Lens Mount	C or CS Lenses with manual or DC Auto-Iris
Enclosure	Metal case with ¼-inch UNC-20 screw mount
Electrical	
Input Voltage	12VDC / 24VAC ±10% or 802.3af PoE
Power Consumption	7.5 Watts
Power Connector	12VDC/24VAC Terminal block
Environment	
Operating Temperature	32°F to 122°F (0°C to 50°C) Outdoor installation requires optional environmental housing
Storage Temperature	32° F to 140° F (0° C to 60° C)
Humidity	90% (non-condensing)

Type		Series		MP Resolution	Intelligence Package		Imager Package
CF	-	3	1	1	1	–	X
Fixed camera	-	3 = HD-Classic Series	1	1 = 1.3MP	1 = Intelligent Multi-Zone VMD	–	0 = Day/Night 1 = WDR

Accessories List - a complete list of accessories can be found in the DVTel price list

CF-L121-28	Lens 2.8-12mm f1.3MP lens, Auto Iris, IR Corrected		**CF-X100-01**	Outdoor Fixed Camera Housing-Heater/Blower
CF-X100-00	Indoor Fixed Mount Bracket		**CF-X100-B1**	Outdoor Fixed Housing Bracket

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Specification sheet is subject to change without notice.